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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/067,242	11/10/2001	Kenneth Russell Mills	PTU000002	3674

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EXAMINER

LEE, JOHN J

ART UNIT

PAPER NUMBER

2682

DATE MAILED: 03/28/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/007,242

Applicant(s)

MILLS ET AL.

Examiner

JOHN J LEE

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 1 – 6, 8, 9, 11-13, and 15-22** are rejected under 35 U.S.C. 103(a) as being unpatentable over Bell et al. (US Patent number 6,405,027) in view of Van Ryzin (US Patent number 6,127,941).

Regarding **claim 1**, Bell discloses that a communication system, comprising:

a cordless telephone system (Fig. 1A) including at least one cordless base station (12 in Fig. 1A) and at least one cordless telephone unit (Fig. 1A) for communicating with the at least one cordless base station (L1 in Fig. 1a and column 3, lines 12 – 38); and

a remote wireless device (D2 in Fig. 1A) configured for communicating with the cordless telephone system (D0 to D2 in Fig. 1A) (column 2, lines 50 – column 3, lines 46), the remote wireless device including a controller (30a in Fig. 2, Bell teaches remote wireless device D0 same as D2..Dn in column 3, lines 12 – 38) which generates or obtains the user information and a transmitter (column 3, lines 12 – 38) which transmits the information to the cordless telephone system (Fig. 1A) to be conveyed at the user interface of the cordless telephone unit (Fig. 1, 2 and column 2, lines 50 – column 3, lines 46).

Bell does not specifically disclose the limitation “a communication system comprises the at least one cordless telephone unit having a user interface for conveying information to an end-user”. However, Van Ryzin discloses the limitation “a communication system comprises the at least one cordless telephone unit having a user interface for conveying information to an end-user” (Fig. 1A, 2 and column 4, lines 24 – column 5, lines 57). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell structure as taught by Van Ryzin. Doing so would enhance the remote wireless device for signal adaptability in mobile communication system.

Regarding **claim 2**, Bell discloses that the remote wireless device comprises a remote wireless intercom (Fig. 1, 2 and column 3, lines 12 – 38).

Regarding **claim 3**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 2. Furthermore, Bell further discloses that a speaker (Fig. 1, 2);

a microphone (Fig. 1, 2);

a receiver (Fig. 1, 2 and column 3, lines 12 – 38);

a housing which carries the speaker, the microphone, the receiver, and the transmitter (Fig. 1, 2 and column 3, lines 12 – 38); and

wherein the information comprises voice signals, and the speaker, the microphone, the receiver, and the transmitter are used for engaging in an intercom voice communication session with the cordless telephone system (Fig. 1, 2 and column 2, lines 50 – column 3, lines 46).

Regarding **claim 4**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 3. Furthermore, Bell further discloses that the a battery interface used for supplying power to the speaker, the microphone, the receiver, and the transmitter (Bell teaches the remote wireless device could be cellular phone (column 2, lines 50 – 63) and inherently mobile phone has a battery interface used for supplying power to the speaker, the microphone, the receiver, and the transmitter. Without battery in the cellular phone, the phone does not work);

a housing which carries the speaker, the microphone, the receiver, the transmitter, and the battery interface (Fig. 2 and column 3, lines 12 – column 4, lines 49); and

wherein the information comprises voice signals, and the speaker, the microphone, the receiver, and the transmitter are used for engaging in an intercom voice communication session with the cordless telephone system (Fig. 1, 2 and column 3, lines 12 – column 4, lines 49).

Regarding **claim 5**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 3. However, Bell does not specifically disclose the limitation “a remote device includes a communication interface for coupling to and receiving the information from a computer”. However, Van Ryzin discloses the limitation “a remote device includes a communication interface for coupling to and receiving the information from a computer” (Fig. 2 and column 6, lines 4 – 54). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell structure as taught by Van Ryzin. Doing so would enhance the communicating connection for receiving multimedia signal in mobile communication system.

Regarding **claim 6**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 5. However, Bell does not specifically disclose the limitation “the computer having an application program residing in memory which is executable to generate the information which is sent to the remote wireless device for transmission to the cordless telephone system”. However, Van Ryzin discloses the limitation “the computer having an application program residing in memory which is executable to generate the information which is sent to the remote wireless device for transmission to the cordless telephone system” (Fig. 2 and column 6, lines 4 – 54). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell structure as taught by Van Ryzin. Doing so would enhance information adaptability from the interface device for providing multimedia signal in mobile communication system.

Regarding **claim 8**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 4. Furthermore, Bell further discloses that a detector which detects an intercom voice communication request (Fig. 3 and column 4, lines 50 – column 5, lines 45); and

a wireless transceiver which transmits the intercom voice communication request to a cordless telephone device and engages in an intercom voice communication session with the cordless telephone device after transmitting the intercom voice communication request (Fig. 2, 3 and column 4, lines 25 – column 5, lines 45).

Regarding **claim 9**, Bell does not specifically disclose the limitation “the detector comprises an end-user switch”. However, Van Ryzin discloses the limitation “the detector comprises an end-user switch” (Fig. 1, 2 and column 5, lines 3 – 57). It would

have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell structure as taught by Van Ryzin. Doing so would enhance the controlling device in wireless communication device.

Regarding **claim 11**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 4 and 8.

Regarding **claim 12**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 8.

Regarding **claim 13**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 8 and 9.

Regarding **claim 15**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 12. Furthermore, Bell further discloses that engaging in the intercom voice communication session further comprises sending and receiving radio frequency (RF) carrier signals modulated with voice signals (column 4, lines 4 – 60 and Fig. 1, 2).

Regarding **claim 16**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 12.

Regarding **claim 17**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 12. Furthermore, Bell further discloses that the act of engaging in the intercom voice communication session further comprises engaging in communication with the cordless telephone unit indirectly through the cordless base station (Fig. 1 and column 2, lines 64 – column 4, lines 24).

Regarding **claim 18**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 6. However, Bell does not specifically disclose the limitation “the at least

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one cordless telephone unit has a user interface including a visual display and a speaker for conveying information”. However, Van Ryzin discloses the limitation “the at least one cordless telephone unit has a user interface including a visual display and a speaker for conveying information” (abstract, Fig. 1, 2, and column 2, lines 28 – 56). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell structure as taught by Van Ryzin. Doing so would enhance multimedia signal adaptability from the interface device in mobile communication system.

Regarding **claim 19**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 18.

Regarding **claims 20, 21, and 22**, Bell and Van Ryzin disclose all the limitation, as discussed in claims 1 and 6. However, Bell does not specifically disclose the limitation “the application program comprises a scheduling notification program and an electronic mail program, and audio delivery program”. However, Van Ryzin discloses the limitation “the application program comprises a scheduling notification program and an electronic mail program, and audio delivery program” (Fig. 2, abstract, and column 6, lines 4 – 54). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell structure as taught by Van Ryzin. Doing so would enhance mobile multimedia services for a user in wireless communication system.

3. **Claims 7, 10, and 14** are rejected under 35 U.S.C. 103(a) as being unpatentable over Bell in view of Van Ryzin and in further view of Salazar et al. (US Patent number 5,802,467).

Regarding **claim 7**, Bell and Van Ryzin do not specifically disclose the limitation “the remote wireless device is coupled to and receives the information from a sensor comprising one of a temperature sensor, a weather sensor, or a motion detector sensor”. However, Salazar discloses the limitation “the remote wireless device is coupled to and receives the information from a sensor comprising one of a temperature sensor, a weather sensor, or a motion detector sensor” (Fig. 3, 4, abstract, and column 22, lines 33 – column 23, lines 59). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell and Van Ryzin structures as taught by Salazar. The motivation does so would be to improve signal reception in wireless device in mobile communication system.

Regarding **claims 10 and 14**, Bell and Van Ryzin do not specifically disclose the limitation “the detector, the act of detecting the intercom voice communication request further comprises detecting a motion sensor signal at the remote wireless intercom”. However, Salazar discloses the limitation “the detector, the act of detecting the intercom voice communication request further comprises detecting a motion sensor signal at the remote wireless intercom” (Fig. 3, 4, abstract, and column 22, lines 33 – column 23, lines 59). It would have been obvious to one having ordinary skill in the art, at the time the invention was made to modify the Bell and Van Ryzin structures as taught by Salazar.

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The motivation does so would be to improve signal reception in wireless device in mobile communication system.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tillgren et al. (US Patent number 6,339,706) discloses Wireless-Activated Remote Control Device.

Pope (US Patent number 5,963,624) discloses Digital Cordless Telephone with Remote Control Feature.

Any response to this action should be mailed to:

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or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 308-6606 (for informal or draft communications, please label
"PROPOSED" or "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **John J. Lee** whose telephone number is **(703) 306-5936**. He can normally be reached Monday-Thursday and alternate Fridays from 8:30am-5:00 pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, **Vivian**

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Chin, can be reached on (703) 308-6739. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

J.L.
March 14, 2003

John J Lee


3/21/03

NGUYEN T. VO
PRIMARY EXAMINER